# Field Feature Bill of Material (FFBM)

## PN 89H4327

## INSTALLATION of a LIC Type 16 (FC 5216) in IBM 3746 Model 900.

| | |
|---|---|
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# Before Installation (Steps 1-8)

## 1.0  Machines Affected

3746 Model 900.

## 2.0  Related BMs and ECs

### 2.1  Prerequisites

(Must be installed prior to this installation)

- Microcode level: D46120 or higher.

  **Checkpoint:**  Check that the EC Level of the Basic Level Packaging Unit CCS is D46120.000 or higher.

  **Note:**  Refer to *SPIM*, Chapter 3. ′Displaying the EC Level of Code′.

### 2.2  Concurrent

(Must be installed together)
None.

### 2.3  Companion

(Must be installed separately)
None.

## 3.0  BMs to be Installed

**FFBM        Title.**

**89H4327**    Installation of a LIC type 16 (FC 5216).

## 4.0  Preparation

___  1. See the *HONE configuration sheet/ plugging sheet* and the following figures to determine the cassette positions.
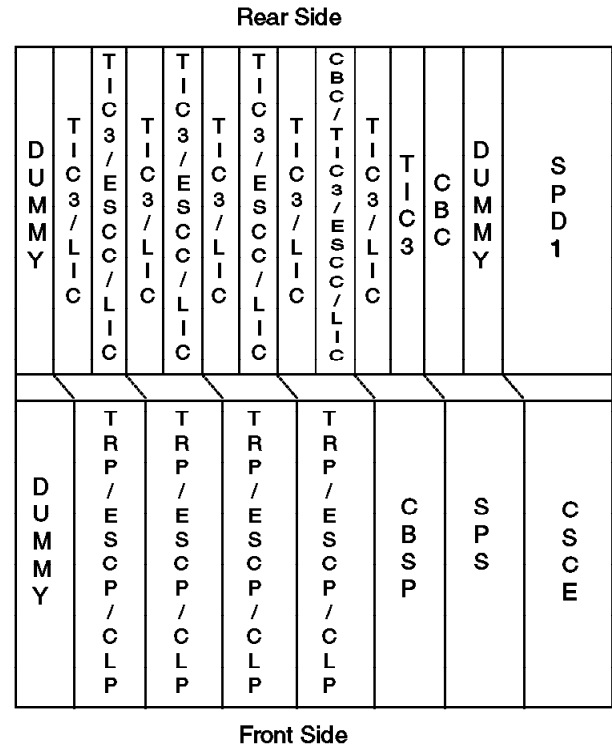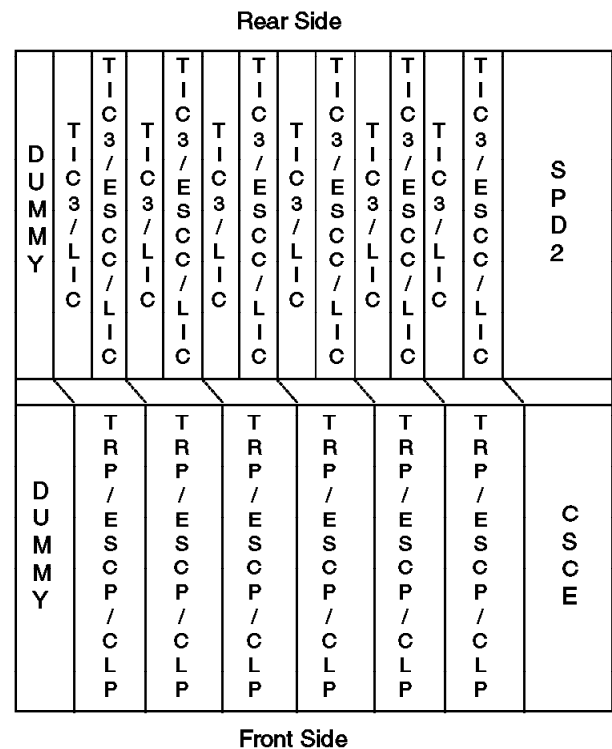
**Rear Side**

| DUMMY | TIC3/LIC | TIC3/ESCC/LIC | TIC3/LIC | TIC3/ESCC/LIC | TIC3/LIC | CBC/TIC3/ESCC/LIC | TIC3/LIC | TIC3 | CBC | DUMMY | SPD1 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DUMMY | TRP/ESCP/CLP | | TRP/ESCP/CLP | | TRP/ESCP/CLP | | TRP/ESCP/CLP | CBSP | | SPS | CSCE |

**Front Side**

Figure 1.  Basic Enclosure

**Rear Side**

| DUMMY | TIC3/LIC | TIC3/ESCC/LIC | TIC3/LIC | TIC3/ESCC/LIC | TIC3/LIC | TIC3/ESCC/LIC | TIC3/LIC | TIC3/ESCC/LIC | SPD2 |
|---|---|---|---|---|---|---|---|---|---|
| DUMMY | TRP/ESCP/CLP | | TRP/ESCP/CLP | | TRP/ESCP/CLP | | TRP/ESCP/CLP | | TRP/ESCP/CLP | CSCE |

**Front Side**

Figure 2.  1st or 2nd Expansion Enclosure

**Installation Instructions**

___ 2. Familiarize yourself with the purpose and details of these installation instructions before negotiating machine time with the customer.

___ 3. Check all the items and count the parts listed on the BM to be installed to determine whether all the parts were received.

# 5.0 Programming

## 5.1 Diagnostic Programs
None.

# 6.0 Purpose and Description

## 6.1 Purpose
To support the ISDN operation on 3746-9x0

## 6.2 Description
- Enabling ISDN operation (If not already done).
- Installation of a LIC 16 cassette and reconfiguration of the machine.

# 7.0 Installation Time

| FFBM Installed | Machine Hours | System Hours | Nbr CE |
|---|---|---|---|
| 89H4328 | 0.5 | 0.0 | 1 |

# 8.0 Tools/Materials Required

ESD kit (PN 6428316).

# Installation (Steps 9-11)

# 9.0 Safety

Review the **Safety Notices** and the **Service Inspection Procedures** located at the beginning of the:

- *3746 Model 900 Service Guide* manual, SY33-2116, or
- *3746 Model 950 Service Guide* manual, SY33-2106.

Review the **Safety Notices** and the **Safety Inspection Procedures** located at the beginning of the *3745 Maintenance Information Procedure (MIP)* manual, SY33-2054.

# 10.0 Details of Installation

Before the installation, ask the customer:

___ • For the maintenance password.

___ • To logoff the Service Processor (SP), if not already done.

## 10.1 3746-900 Power Mode

___ • If the 3746-900 is in Power Mode **1** (remote), set the **Power Control** indicator of the 3746-900 control panel to **3** (local). Press the **Validate** key.

## 10.2 Log the SP ON

___ 1. On **MOSS-E View** window, click on **Program**.

___ 2. Click on **LOG ON MOSS-E**.

___ 3. Enter the maintenance password, press **Enter**.

## 10.3  Enabling ISDN Feature on the 3746-9x0

__ 1. Double click on the **Service Processor** object icon.

__ 2. Click on ″**Configuration Management**″.

__ 3. Double click on ″**Manage 3745/3746-9x0 installation/Removal**″

__ 4. On the **Controller Installation** menu:  Click on the 3746-950 or the 3746-900NN, on which the feature should be installed, then Click on **Select Feature** button.

```
Controller Installation

Select an item:
Controller        Type       Model       S/N         Last changes saved

BS8-810L
                  <3745 not installed>
                  3746       950(APPN)   12-34567    <Not saved>
BS FVT
                  3745       900         BS-24681    <Not saved>
                  3746       900         BS-24681    <Not saved>
<New>
                  <3745 not installed>
                  <3746 not installed>
<New>
                  <3745 not installed>
                  <3746 not installed>
<New>
                  <3745 not installed>
                  <3746 not installed>

   Add...    Save...    Remove...    Clean...    Change...    Repair...

   Select Feature    Cancel    Help    3746 M.E.S. 900->950
```
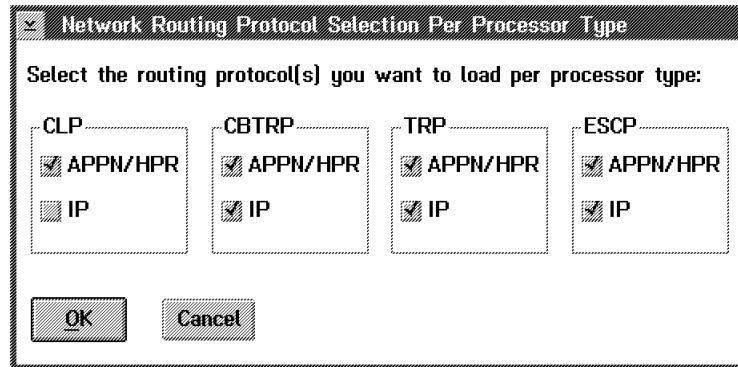
__ 5. The **Features Selection** window is displayed.  Is ISDN feature already selected?

- YES, Click on **Cancel**, then go to 10.6, "3746-9x0 Power Mode" on page 8.

- NO, Click on the ″**ISDN**″ selection box, then click on **OK**.

If both **APPN** and **IP** were not selectable on the **Feature Selection** window, the process will directly go to 7 on page 6.
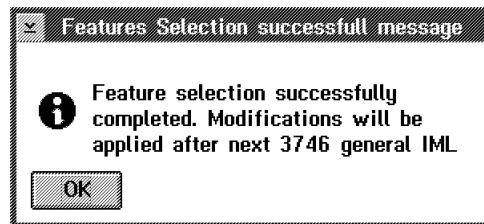
```
Features Selection

Select the features you want to install
and enter corresponding passwords:

Features              Password

☑ APPN/HPR           no password

☑ IP                 [          ]

☑ X.25               [          ]

▨ CCM C/S            [          ]

☑ ISDN               no password

        OK      Cancel      Help
```

__ 6. On the **Network Routing Protocol Selection Per Processor Type** display: Click on **OK**.

**Network Routing Protocol Selection Per Processor Type**

Select the routing protocol(s) you want to load per processor type:

| CLP | CBTRP | TRP | ESCP |
|---|---|---|---|
| ☑ APPN/HPR | ☑ APPN/HPR | ☑ APPN/HPR | ☑ APPN/HPR |
| ☐ IP | ☑ IP | ☑ IP | ☑ IP |

[ OK ]  [ Cancel ]

__ 7. On the **Features selection successful message** display: Click on **OK**.

**Features Selection successfull message**

🛈 Feature selection successfully completed. Modifications will be applied after next 3746 general IML

[ OK ]

__ 8. On the **Controller Installation** menu, click on **CANCEL**.

> **Is there any error?**
>
> • **YES**, note message and code, then contact your support.
>
> • **NO**, Go to 9.

__ 9. From the **MOSS-E View** screen, double click on the **Controller 3746-900** object icon, on which the feature has been installed.

__ 10. Click on **Operation Management**

__ 11. Double click on **Perform General IML**

## 10.4  LIC16 Coupler Cassette Installation

___ 1. Double click on the **3746-9x0** icon.

___ 2. On **3746-900 Menu** window, click on **Configuration Management**.

___ 3. Click on **Display/Update Active Configuration (CDF-E)**.

___ 4. Is the CLP available for the position of the LIC16 coupler you are installing?

   • **NO**, do not continue the installation of the feature.  Inform your Sales Representative.
     Click on **Cancel**, then go to 10.6, "3746-9x0 Power Mode" on page 8.

   • **YES**, Click on **Cancel**, then continue with next step.

___ 5. Double click on **Add/Retrieve Resources in Concurrent Mode**.

   When **Confirmation** screen is displayed, follow this procedure:

___ 6. Remove the dummy cassette.

___ 7. Plug LIC16 coupler following the instructions on the label fitted to the frame.

___ 8. **Wait** for alarm 0052: **FRU plugged OK**,
   Verify the displayed positions of the coupler cassette, then Click on **OK**.

___ 9. On confirmation screen, click on **OK**.

___ 10. On **Resource Selector** window, click on the resource you want to add, then Click on **OK**.

___ 11. On **Add/Retrieve Resource Options** window, click on **OK**.

___ 12. On **Test and Running Option Selection** window, click on **LIC16 MAT**, then click on **OK**

   The **Information Required** window is displayed.

___ 13. When prompted install the wrap plug PN 57G8097 on the LIC16 coupler, Enter **Yes**, then click on **OK**

   The **Diagnostic Active Status** window is displayed.

___ 14. When the test is completed an **Information Message** gives the test results.  Click on **OK**

   The **Diagnostic Warning** window is displayed:

___ 15. When prompted remove the wrap plug PN 57G8097 on the LIC16 coupler, then click on **OK**

   The **Diagnostic Active Status** window is displayed with the number of errors:

___ 16. **If an alarm is displayed**, see the *MIP*, Chapter 1, and follow the appropriate procedure.

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___ 17. **If there is no error**, click on **Cancel**.

___ 18. Plug the cable into the LIC16 coupler cassette.

___ 19. Click on **Remove the resource from the concurrent mode**, click on **OK**.

___ 20. On the Warning window, click on **OK**.

___ 21. **Wait** for alarm 0657 concurrent mode, click on **OK**.

___ 22. If a confirmation window is displayed, click on **Cancel**.
     If the **Resource Selector** is displayed, click on **Cancel**.

## 10.5  Save CDF-E on Diskette

___ 1. Double click on the SP icon.

___ 2. On **Service Processor Menu** window, click on **Configuration Management**.

___ 3. Double click on **Manage 3745-3746-9X0 Installation**.

___ 4. On **Controller Installation** window, select the machine you are installing/removing the cassette, then Click on **Save**.

___ 5. When requested, insert the *Installation Parameters Diskette* in the diskette drive of the SP.

___ 6. When the **Warning** window is displayed, remove the diskette and click on **OK**.

___ 7. On **Controller Installation** window, click on **Cancel**.

## 10.6  3746-9x0 Power Mode

___ • On the 3746-9x0 control panel, set the **Power Control** indicator to its original value.  Press the **Validate** key.

## 10.7  Log the SP OFF

___ 1. On the **3746-9x0 Menu** window, click on **Function**, then, click on **Exit**.

___ 2. On the **MOSS-E View** window, click on **Program**.

___ 3. Click on **LOG OFF MOSS-E**.

# 11.0  Test Procedures

None.

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|---|---|---|---|---|---|---|

# After Installation (steps 12-15)

# 12.0  Field Updating

None.

# 13.0  Publications Update

None.

# 14.0  Parts Disposition

## 14.1  Purchased Machines

Refer to the parts ownership matrix to determine the correct owner of removed/unused parts.

- For EMEA/APG/AG Areas, refer to *Hardware and General Service Code Description*.
- For Domestic Areas, return parts to the customer.

# 15.0  Machine Records

- Install the new **MACHINE HISTORY** supplied.
- Report installation and quality to existing procedures.

**End of instructions.**

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